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FOURTH
ANNUAL REPORT
OF THE
BOARD OF TRUSTEES
OF THE
PENNSYLVANIA MUSEUM
AND
SCHOOL OF INDUSTRIAL ART.

1879.

~~X~~ MEMORIAL HALL,
PHILADELPHIA.

1880.

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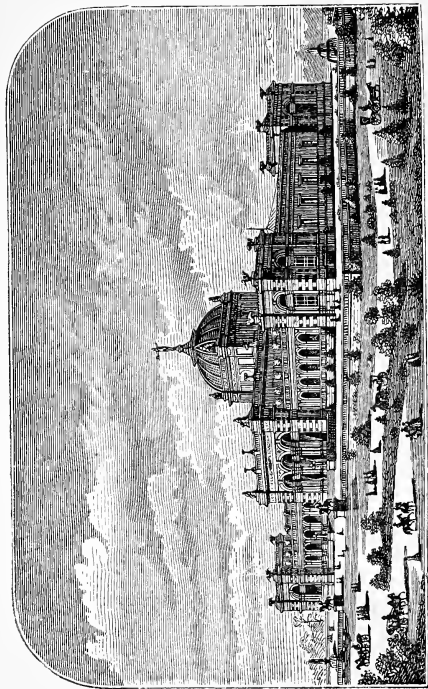
1879.

MEMORIAL HALL,
PHILADELPHIA.

1880.

PHILADELPHIA :
Review Printing House,
N. W. Cor Fourth and Walnut Sts.

THE PENNSYLVANIA MUSEUM AND SCHOOL OF INDUSTRIAL ART.



MEMORIAL HALL.

OFFICERS FOR 1880.

PRESIDENT,

WILLIAM H. MERRICK.

VICE-PRESIDENTS,

EDWARD T. STEEL,
WILLIAM PLATT PEPPER.

MANAGING DIRECTOR,

WILLIAM W. JUSTICE.

TREASURER,

FREDERICK R. SHELTON.

SECRETARY,

DALTON DORR.

BOARD OF TRUSTEES.

HON. HENRY M. HOYT,

Governor of the State,

HON. WILLIAM S. STOKLEY,

Mayor of the City.

ADAM EVERLY,

Appointed by the State Senate.

J. E. MITCHELL,

Appointed by the House of Representatives.

PHILIP C. GARRETT,

Appointed by Select Council.

EDWARD T. STEEL,

Appointed by Common Council.

FAIRMAN ROGERS,

Appointed by the University of Pennsylvania.

ISAAC NORRIS, M. D.,

Appointed by the Franklin Institute.

JAMES L. CLAGHORN,

Appointed by the Pennsylvania Academy of Fine Arts.

F. O. HORSTMANN,

Appointed by the Philad'a School of Design for Women.

Appointed by the Board of State Centennial Supervisors.

Appointed by the Commissioners of Fairmount Park.

TRUSTEES ELECTED BY THE MEMBERS:

To serve for five years.

GEORGE W. CHILDS,

THOMAS DOLAN,

WILLIAM PLATT PEPPER.

SAMUEL WAGNER, JR.,

To serve for four years.

HENRY C. GIBSON,

THOMAS COCHRAN,

WILLIAM H. MERRICK,

N. FARKER SHORTRIDGE.

To serve for three years.

W. W. JUSTICE,

JOHN R. BAKER,

WAYNE MacVEAGH,

F. R. SHELTON.

To serve for two years.

FREDERIC GRAFF,

WILLIAM PEPPER, M. D.,

COLEMAN SELLERS,

JAMES HUNTER.

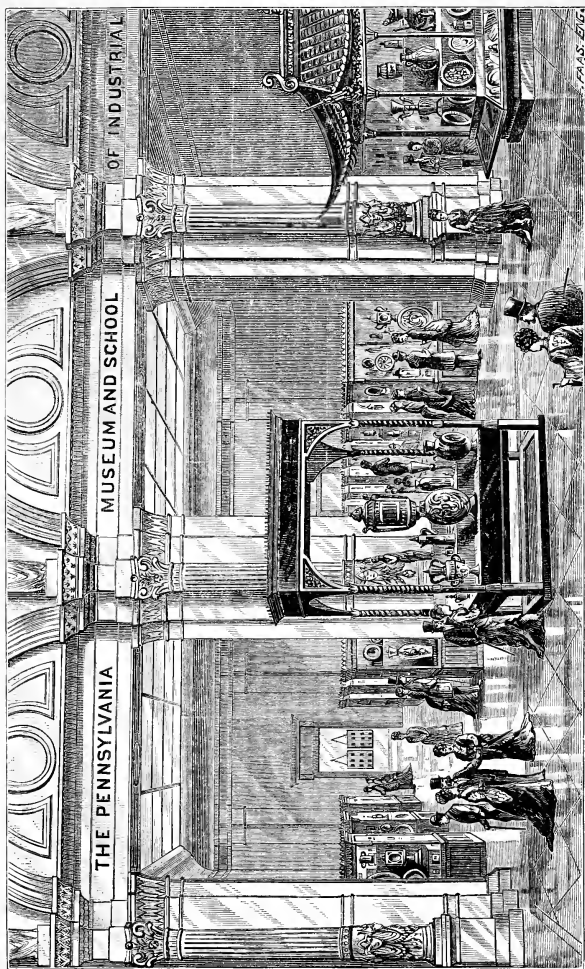
To serve for one year.

WILLIAM BIGLER,

CHAPMAN BIDDLE.

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VIEW IN ROTUNDA.

REPORT OF THE BOARD OF TRUSTEES.

This Report is for the fiscal year ending November 30, 1879.

Circumstances having delayed the publication of the last Annual Report until April, your Trustees determined to include therein the transactions of the Corporation from the close of the fiscal year to that time. In the present Report, therefore, only such reference is made to those events as is necessary to make this a complete record of the year.

THE MUSEUM.

With the close of the Loan Exhibition in November, 1878, and the consequent withdrawal of many of the objects contributed thereto, the opportunity was afforded of perfecting the arrangement and classification of the Museum Collections. A Curator was appointed, February 1, to accomplish this work. During the year the collections have been arranged in a manner that will admit of the development of each department of the Museum without any material change in the general plan. While doing this, a registration of all the objects owned by, or deposited on loan with the Museum, was begun, preliminary to making an inventory and catalogue of the same. Also a form of receipt for objects received on loan, defining the responsibility of the Museum for their safe keeping, was prepared as a substitute for the receipts formerly given.

In response to the invitation by your Trustees to the Numismatic and Antiquarian Society of Philadelphia to deposit a collection of coins and medals that would show artistic merit, mentioned in the last Report, that Society has made a

valuable contribution, consisting of selections from its own collections, and from those of the American Philosophical Society, and of the Library Company of Philadelphia. The Society has also obtained contributions from individual collectors, notably a complete set of Papal Medals from the pontificate of Pope Martin V, 1415, to that of Pope Pius IX, 1872, inclusive, which deserves particular mention on account of the fine workmanship of each piece, and the historic interest of the series as a whole.

The collection of American Antiquities, chiefly relics of the Mound Builders, deposited by Dr. M. W. Dickeson, has been rearranged in the North Vestibule of the Hall. During the year this collection has been greatly enlarged, and now fills all the space allotted to it. Aside from the archæological importance of the objects, they are valuable as illustrating the development of the art instinct in a primitive people.

The most important event of the year, in connection with the Museum, was the reception and installation of the collection of minerals and metallurgy belonging to the American Institute of Mining Engineers, in accordance with the terms of the lease of the same to this Corporation for a term of ninety-nine years, as related in the last Report. This noble collection was formally transferred to your Trustees on March 26th. The arrangement of the specimens in the portion of the building assigned for their reception was made under the personal supervision of Mr. C. A. Young, of the Institute of Mining Engineers. On May 31st the collection was opened to the public. Its several departments occupy nearly the whole eastern half of the Hall, and furnish to the student of the industries represented facilities for study, which, when they become generally known, must add materially to the reputation and usefulness of the Museum.

Among the other additions to the collections made during the year, are the articles bought at the Paris Exposition, specified in the last Report; three specimens of enamelled glass,

by Brocart, and six pieces of pottery, by Deck, purchased from the collection lent to the Museum by Messrs. Londres & Co., of London, at the solicitation of Sir Philip Cunliffe Owen, C. B., K. C. M. G. The loans to the Museum include some interesting fragments of Aztec jewelry, deposited by the American Philosophical Society, and numerous examples of artistic workmanship in various branches of industry, deposited by individuals.

Your Trustees are gratified to report that the practice of depositing in the Museum art objects on loan for a stated period is becoming more general; and your attention is asked to this method of from time to time augmenting the collections and thus increasing the interest of the public in the Institution, as one that is eminently desirable and easy of accomplishment. There are in this city numerous private collections of glass, china, lace, metal-work, and objects of that character, which, if they were displayed in Memorial Hall, in whole or in part, would be highly appreciated by the community. And many persons leaving the city for the summer, or going abroad for a longer season, store away valuable art objects that might with equal or greater safety be placed on view in the Hall for the benefit and enjoyment of others.

It should be remembered that this Museum, while it depends for support upon that portion of the community who are able to visit similar institutions elsewhere, exists for the benefit, chiefly, of that vast majority of our citizens, the artisans and mechanics, for whom it is the only resort of the kind accessible. Nor should it be forgotten that the acquaintance with what is beautiful in the arts, with what trained workmen are accomplishing elsewhere, will stimulate and aid the working people of a community in the development of home industries, as no other influence will. A noteworthy instance of this kind happened at the Hall during the year. A blacksmith from Phoenixville, visiting the Museum, was interested in the examples of foreign wrought-iron work that he saw there. He

came again, this time bringing his brother with him, and the two men made studies of the several examples on exhibition. When they returned home, these self-taught artizans, with much patient labor, having to fashion the necessary tools as their work progressed, wrought in iron a number of pieces similar to, or suggested by those they had seen in the Museum. Subsequently, examples were lent them to copy, and the replicas which they made were afterwards exhibited here and in Chicago and Cincinnati, where they attracted much attention.

The testimonials presented to General Grant during his visit to Great Britain, deposited in the Museum by Mr. G. W. Childs, have continued to attract many visitors to the Hall. In February they were sent to Pittsburg for display in the Library Loan Exhibition there, and in August they were sent to Cincinnati, together with a large collection of objects representative of the scope and character of the Museum, as a loan contribution to the Art Department of the Industrial Exhibition in that city. At the same time a similar collection was sent to the Industrial Exposition in Chicago. The extended notices which these collections received in the official catalogues and in the local papers, showed the high appreciation with which this effort on the part of your Trustees to advance the interest in industrial art education was regarded.

During the year the Library has received additions in the valuable collection of scientific works belonging to the American Institute of Mining Engineers; in the arrival of the books bought in Paris last year, and by gifts from the Centennial Board of Finance of a complete set of *Reports of the Centennial Exhibition*, and from Mr. F. O. Horstmann of a copy of *The Silk Goods of America*. Purchase was made of *The Alhambra*, by Owen Jones. *L'Art pour Tous*, and *The Art Interchange* were subscribed to for the current year. A slip catalogue of all the books, periodicals, maps, engravings, photographs, etc., in the Library, has been prepared for reference.

In furtherance of the policy of extending the usefulness of the Museum as widely as possible, your Trustees, in May, reduced the price of admission to the Hall on Sundays to fifteen cents. At the same time they adopted a plan, proposed by the President of the International Exhibition Company, by which visitors from the Exhibition to the Hall are given return tickets readmitting them to the Main Building. The practice of giving Art students and students in scientific schools tickets of admission on application, and of admitting the pupils of charitable educational institutions, when accompanied by a teacher, without charge, has been continued during the year. This is as liberal an arrangement as the financial condition of the corporation admits of at present; although your Trustees are desirous, as soon as means for the purpose are provided, to open the Hall free to the public, reserving only certain days for the use of students, on which days visitors will be charged a small admission fee, as at present.

The following is a tabulated statement of the visitors to the Museum each month during the year:

MONTH.	Adults.	Children.	Members.	Students.	Compli- mentary.	Total.	Cash.
December.....1878	343	21	42	10	8	424	\$ 87 85
January .....1879	316	8	45	10	....	379	79 80
February..... "	293	13	23	19	6	354	74 55
March "	520	21	66	39	160a	806	132 10
April "	567	40	114	13	43	777	145 75
* May..... "	805	63	152	16	544b	1,580	194 45
June "	542	32	60	33	29	696	117 10
July "	477	21	41	19	137c	695	107 05
August..... "	660	55	34	17	82d	848	152 00
September..... "	1,367	83	51	18	36	1,555	314 85
October "	694	40	56	15	25	830	141 65
November..... "	610	23	32	6	17	688	128 10
Total.....	7,194	420	716	215	1,087	9,632	\$1,675 25

Admissions on Sundays.

December.....1878	81	4	11	1	3	100	\$20 65
January .....1879	42	....	16	2	....	60	10 50
February..... "	69	2	3	8	....	82	17 45
March "	169	12	13	10	3	207	43 45
April "	139	5	21	7	8	180	35 25
* May..... "	188	13	27	3	5	236	35 20
June "	216	15	19	12	7	269	34 00
July "	140	7	8	6	1	162	21 70
August..... "	185	13	3	9	6	216	29 05
September..... "	352	31	10	4	5	402	55 90
October "	297	16	20	10	10	353	46 15
November..... "	267	12	10	5	9	304	41 25
Total.....	2,145	130	161	77	57	2,571	\$390 55

* On Sundays after May 18th, 1879, the admissions for adults was reduced to 15 cents.

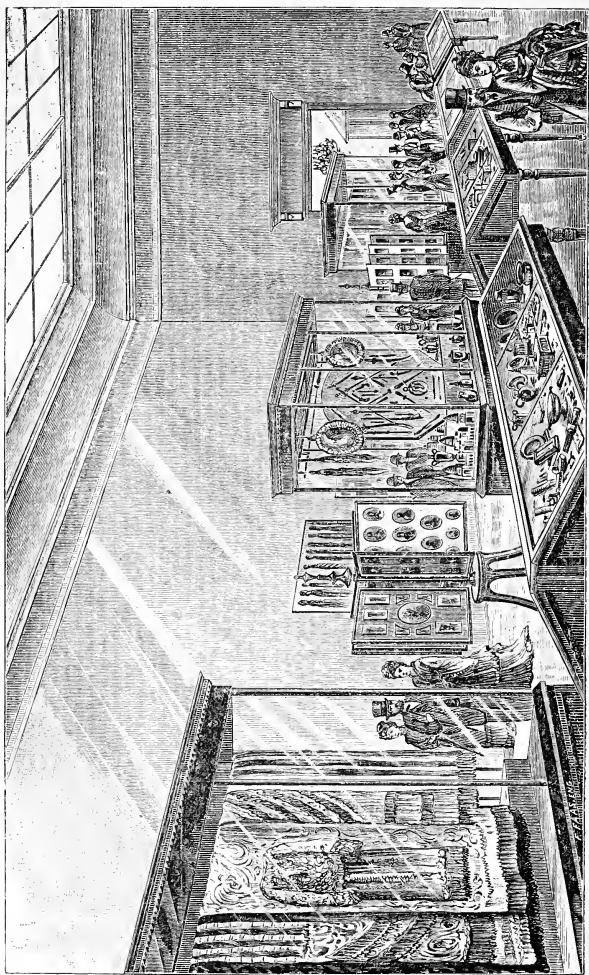
a Including 148 invited to witness transfer of the Collections of the American Institute of Mining Engineers to the Museum.

b Including 512 invited to the Closing Exercises of the Schools.

c Including 51 Cadet Engineers U. S. N. and 49 members of the National Education Convention.

d Including 63 Teachers and Pupils Burd Orphan Asylum.





INDIA COLLECTION.



THE SCHOOLS.

Several changes have been made in the Industrial Art School during the year.

In February, the Art Needlework Department was transferred to an organization of ladies, and became a separate school. This was done the less unwillingly, because your Trustees were assured that the effort they had inaugurated, of imparting this desirable instruction to women, would not be permitted to languish under the new management. That the transfer was a judicious one has been proved by the fact that the school is now well established and daily growing in public favor.

Another and a radical change was made at the close of the spring term. Up to that time, with the exception of a special class of pay pupils, the schools had been free. When they opened again in the fall, the special class was continued as before, but a tuition fee of ten dollars in the Day school and five dollars in the Night school was charged. Seventy-five of the one hundred and thirteen students in attendance at the end of the spring term returned as pay scholars; a percentage fully justifying the opinion that the payment of a moderate fee would not materially lessen the number of pupils.

During the fall term there have been thirty-three students in attendance at the Day school and special class, and seventy-four in the Night school—a total of one hundred and seven.

The following table shows the trades and occupations represented :—

Boxmakers,	1	Machinists,	2
Bricklayers,	1	Plumbers,	2
Cabinetmakers,	1	Stone Cutters,	4
Carmen,	1	Students,	35
Carpenters,	3	Teachers,	19
Clerks,	10	Upholsterers,	1
Designers,	12	Warpers,	1
Engravers,	9	Wood Carvers,	2
Farmers,	2		
Glass Cutters,	1	Total,	107

On May 31, the closing exercises of the Spring term were held in Memorial Hall, with appropriate ceremonies, an audience of some five hundred persons being present. On that day an exhibition of the drawings made by the students was opened, which continued during the summer, and attracted much attention from visitors to the Museum. It is proposed to have similar exhibitions annually hereafter.

During the month of June, the special class met twice a week in the Hall for instruction. At this time the adaptability of the Hall for school as well as for Museum purposes was abundantly proved.

In the spring, it became evident to the Trustees that, in consequence of the uses to which a building recently erected in the immediate vicinity of the school was put, they would be compelled shortly to abandon the location. Pending the consideration of this subject, an invitation was received from the Board of Managers of the Franklin Institute, inviting this corporation to remove its schools to the Institute building, No. 15 South Seventh street. The Board offered the use of their school rooms rent free, and engaged to make the alterations necessary for the accommodation of the scholars. This generous offer was accepted by your Trustees, and at the close of the spring term the lease of No. 312 North Broad street was given up, and the school furniture removed to the Franklin Institute. The fall term opened September 29, in the latter building,

since which time the school rooms have been open daily for the use of the scholars. Other generous acts on the part of the Board of Managers of the Franklin Institute were, placing one of the reading-rooms at the disposal of your Trustees for use as an office, and extending to the students the privilege of free admission to the library and lectures of the Institute.

The course of instruction arranged at the formation of the schools has not been changed, and the same efficient instructors employed in the beginning continue in charge of the classes. One of the advanced scholars has been given charge of the Junior class in Geometry.

Arrangements have been made with Professor Rothrock and Dr. Keen to continue their courses of lectures, which were attended with such excellent results last year. At the request of the last named gentleman, both the Academy of the Fine Arts and the Academy of the Natural Sciences kindly placed at his disposal whatever material in the collections he required in illustration of his lectures before the schools.

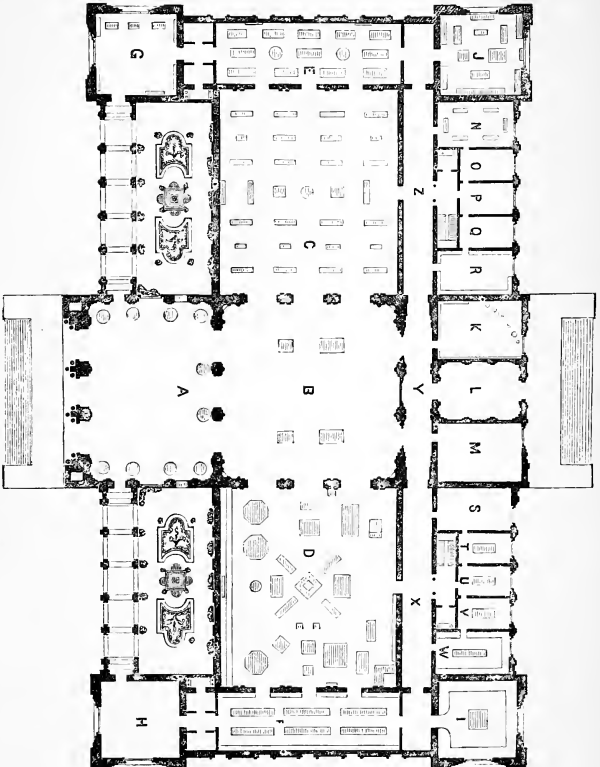
During the year the Corporation has lost, by the death of Mr. G. Dawson Coleman and Mr. J. B. Knight, the advice and assistance of two of its most valued members. The last named gentleman was the representative of the Franklin Institute in your Board of Trustees, and as such took an active part in all measures for promoting the usefulness of the Museum and Schools.

The Corporation now has 37 Contributing, 150 Life Members and 129 Annual Members. Ten Life Members and 105 Annual Members have been received during the year. These additions to the membership, although satisfactory as showing an increasing interest in the work of the Corporation, still leave the total far short of what it should be. This is especially the case with the list of Annual Members, which, in the opinion of your Trustees, can, with a little effort on the part of the friends of the Corporation, be greatly extended. An annual

income of five thousand dollars ought to be secured from this source alone. This would allow of the subscriptions of Contributing and Life Members being placed to the credit of the Endowment Fund, which is now in contemplation. For this fund it is proposed to raise one hundred thousand dollars, the interest on which sum, with the annual subscriptions, it is thought, will be sufficient to provide for the necessary expenses of the Museums and Schools. Your Trustees feel that this effort should be successful, as in the four years of its existence the Corporation has proved its usefulness to the community. Its Museum stands foremost in the country, and its Industrial Art School, already well organized, is doing a most important educational work.



GROUND PLAN OF MEMORIAL HALL.



- A—Vestibule.
- B—Rotunda.
- C—Glass, Ceramic and Metal Work.
- D—Mining and Metallurgy.
- E—India Collection.
- F—Mining and Metallurgy.
- G—Architecture and Wood Carving.
- I—Mining and Metallurgy.
- J—Textiles.
- K—Furniture.
- L—American Antiquities.
- M—Details of Architectural Ornament.
- N—Studio.
- O—Office.
- P—Office.
- Q—Studio.
- R—Library.
- S—Mining and Metallurgy.
- T—“
- U—“
- V—“
- W—“
- X—Maps, Engravings and Drawings.
- Y—“
- Z—“



SUPPLEMENTAL REPORT.

JANUARY, 1880.

The pressing need of a systematic course of instruction in drawing in the public schools of Philadelphia has long been apparent to all who have studied our public school system. It has been the chief difficulty your Trustees have had to encounter in their endeavor to carry out the scheme of instruction proposed when the School of Industrial Art was established, because, although most of the applicants for admission to the school belong to the mechanic or artizan classes, and have been, at one time or another, pupils of the public schools, nine-tenths of them have no knowledge whatever of drawing, and but a vague idea of its application in the industrial arts. Under these circumstances, the educational work of the Institution has, so far, necessarily been of the most elementary character, and not at all what it was intended it should be. With the view to determine just what was needed to remedy this defect, your Trustees recently inspected the public schools. They found that the Manual of Instruction contained a carefully prepared graded course in drawing, well adapted to the wants of the scholars; but when they came to observe the manner in which drawing was taught, they found that, in the majority of instances, no systematic instruction was given, because the teachers themselves knew little or nothing of what they were called upon to teach. Nevertheless, it was gratifying to observe how keenly alive the teachers were to their deficiencies in this respect. It was learned that some of them had organized drawing classes among them-

selves, and that others had availed themselves of the opportunities to study drawing under the instructors employed by publishers, when the latter had a new system of drawing books to introduce into the public schools. The teachers realized, however, that such instruction, although often good, could not be thorough or lasting, and that what they needed was an established permanent school where instruction adapted to the requirements of the Manual to teach drawing in the primary, secondary and grammar schools, could be had at all seasons of the school year and during the hours they were not occupied in school work.

Having proceeded thus far, your Trustees invited the Teachers' Institute to appoint a committee to confer with your Committee on Instruction, to devise, if possible, some plan by which this instruction could be given to the teachers. The committee was appointed and a meeting held, at which the Teachers' Committee proposed that the Pennsylvania Museum and School of Industrial Art undertake this work, and expressed the belief that if this was done the Institute would give the movement their hearty co-operation and support.

The general features of the plan submitted are :—

1. The establishment of free scholarships for a certain number of graduates of the senior classes in the public schools, to be determined annually by competitive examination during the last week in June.
2. The adoption of a course of instruction for teachers in each of the following departments of drawing :—
 - (a) Freehand Drawing and Design.
 - (b) Model and Object Drawing.
 - (c) Geometrical and Perspective Drawing.
 - (d) A Supplemental or Advanced Course.
3. The division of the course of instruction in each department into four sections or grades, commencing each section in February and September of each year, and completing the course for each department in two years.
4. Such action on the part of your Board of Trustees as will provide for every teacher in the public schools a course of instruction, free of charge, in at least one of the departments organized, to which every teacher can have access at any time and at every stage of advancement in the course, provided such teacher possess requisite qualifications or proficiency to pursue the course as specified.
5. The granting of certificates of proficiency to teachers who shall pass satisfactory examination in the course specified for the department in Freehand Drawing and Design and either of the other two departments.

6. Provision for the appointment or election as members of the Board of Trustees of the Pennsylvania Museum and School of Industrial Art of one or more members of the Board of Education, and of one or more principals of grammar schools from among the five receiving the highest number of votes of the Teachers' Institute.

There can be no doubt from the above statement of facts, that the teachers, as a body, are anxious to teach drawing in the public schools as it should be taught, and that all that is wanting to bring this about is to give the teachers the requisite instruction. The Committee from the Teachers' Institute ask this Institution to supply this want. It is a task of magnitude and involves great responsibilities, yet your Trustees are of the opinion that it should be undertaken.

No properly organized effort has been made to have the study of drawing given its proper place and attention in our public school system, and if the plan proposed above shall bring this about, the results will be such that the community can hardly fail to give it all the aid and encouragement in its power.

TREASURER'S STATEMENT.

November 30th, 1878, to November 29th, 1879.

DR.

To balance on hand November 30, 1878,	\$1,159 81
Temporary Loans,	500 00
Life Members,	900 00
Donations,	5,036 20
Interest,	\$162 80
Needlework Classes,	1,960 82
Maintenance of Schools; Donation ^s tuition, etc.,	4,927 50
Exhibition at Memorial Hall,	1,666 25
Mining Engineers; Installing ^s section at Memorial Ha	1,150 00
Annual Members,	1,300 00
Gaurantee Fund of Trustees,	250 00
Transferred to Credit of Profit and Loss,	\$11,417 37
	<u>\$19,013 38</u>

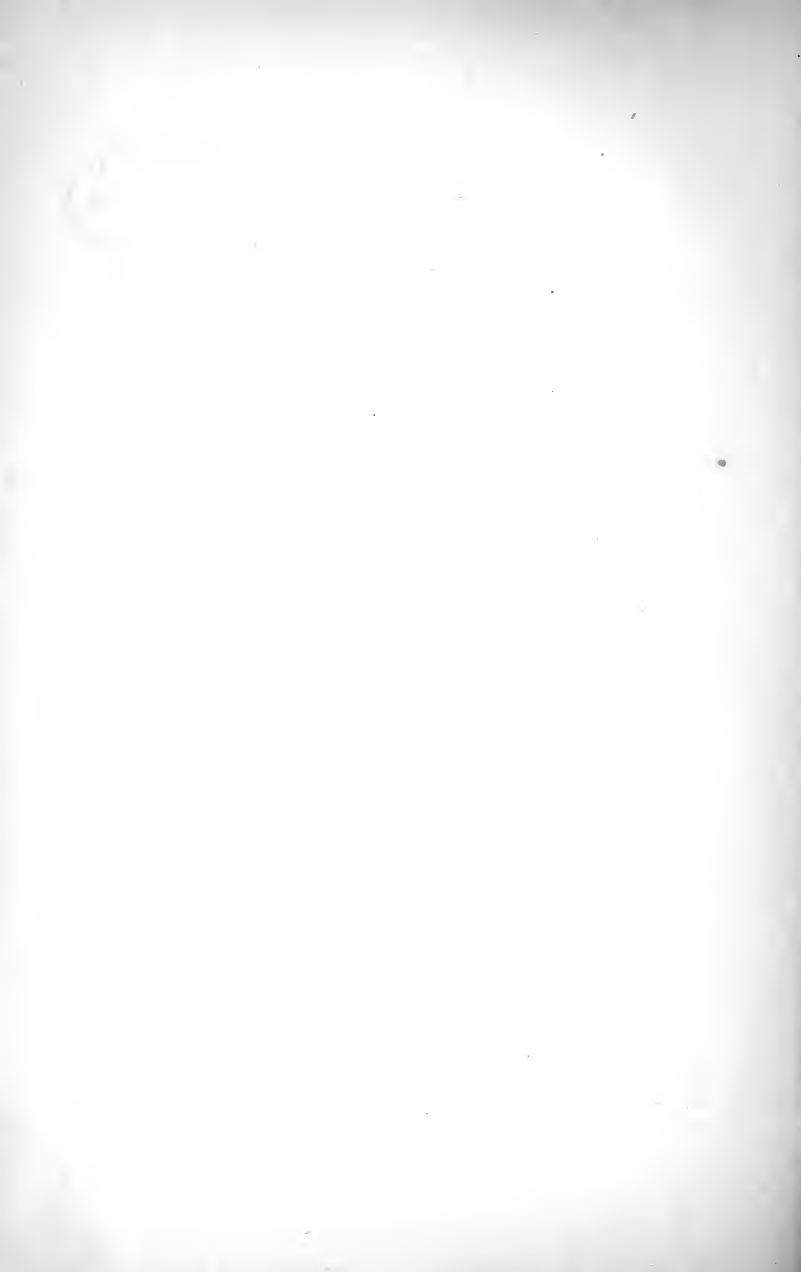
CR.

By Warrants paid for :

Interest,	\$107 50
Office Expenses,	173 49
Salaries,	1,423 09
Freight and Express Charges,	381 54
Printing,	356 74
Advertising,	45 20
Commissions on Collections,	179 00
Custom House Charges,	173 68
Needlework Classes,	2,076 64
Maintenance of Schools,	3,002 46
Exhibition at Memorial Hall,	142 19
Mining Engineers' Collection,	1,041 30
Transferred to Debit of Profit and Loss,	\$9,102 83
Additions to Museum and other Permanent Investments,	425 76
Payments on Account of Temporary Loans,	3,500 00
Maintenance and Repair of Memorial Hall,	5,475 08
Balance on hand November 29, 1879,	509 71
	<u>\$19,013 38</u>

CR.

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LIST OF MEMBERS

OF THE PENNSYLVANIA MUSEUM AND SCHOOL OF INDUSTRIAL ART,
NOVEMBER 30, 1879.

CONTRIBUTING MEMBERS,

Who have paid at one time two hundred dollars or upwards.

Baird, John	Jones, Jacob P.
Bartol, B. H.	Lea, Henry C.
Barton, Mrs. S. R.	Massey, William
Borie, A. E.	Miles, Thomas
Borie, C. & H.	McKean, H. P.
Brown, Alexander	Pepper, William Platt
Burnham, Parry, Williams, & Co.	Rhoads, Miss Elizabeth
Childs, George W.	Rogers, Fairman
Clark, Mrs. M. D. M.	Santee, Charles
Cornelius & Sons	Scott, Thomas A.
Dolan, Thomas	Scott, Mrs. Thomas A.
Drexel, A. J.	Taitt, Mrs. C. G.
Drexel, F. A.	Temple, Joseph E.
Garrett, Walter	Wagner, Mrs. T.
Garrett, W. E., Jr.	Weightman, William
Gibson, Henry C.	Welsh, Samuel
Gibson, Miss R.	Wharton, Joseph
Harrison, Havemeyer & Co.	Whitney, A., & Sons.
Horstmann, F. O.	

LIFE MEMBERS,

Who have paid at one time one hundred dollars.

Allen, Joseph	James, John O.
Allen, Joseph, Jr.	Jayne, D., & Sons.
Baeder, Adamson, & Co.	Jones, Washington

- Baily, Joel J.
 Baker, John R.
 Baker, W. S.
 Barclay, R. D.
 Barclay, Mrs. R. D.
 Bartol, H. W.
 Bickley, H. W.
 Bickley, Mrs. H. W.
 Biddle, Alexander
 Biddle, Miss A. E.
 Biddle, Chapman
 Biddle, Mrs. Chapman
 Biddle Clement
 Biddle Walter L. C.
 Blanchard, Miss A.
 Blanchard, Miss H.
 Blanchard, Miss M.
 Bowen & Fox
 Burnham, George
 Button, Conyers
 Caldwell, J. E.
 Caldwell, J. E., & Co.
 Campbell, Mrs. St. George T.
 Carter, W. T.
 Carver, W. Burton
 Cassatt, A. J.
 Catherwood, H. W.
 Chapman, Joseph
 Chew, Samuel
 Claghorn, James L.
 Claghorn, J. Raymond
 Clark, Clarence H.
 Clark, Ephraim
 Clark, J. Hinckley
 Clayton, John
 Clyde, Thomas
 Coates, Benjamin
 Coates, Edward H.
 Cochran, Thomas
 Coles, Miss Mary
 Collins, H. H.
 Cooper, John H.
 Cope, Caleb
 Cuyler, Mrs. Theodore
 Justice, Bateman & Co.
 Justice, Miss Cecilia
 Justice, Miss E. B.
 Justice, Miss M. C.
 Justice, W. W.
 Justice, Mrs. W. W.
 Knight, Edward C.
 Lea, Isaac
 Lewis, Edwin M.
 Lewis, Henry
 Lewis, Richard A.
 Little, Amos R.
 Lovering, Joseph S.
 Lovering, Joseph S., Jr.
 Mac Veagh, Wayne
 Merrick, J. Vaughan
 Merrick, William H.
 Miles, Mrs. M. L.
 Milliken, James
 Morris, P. Pemberton
 Morris, Wistar
 Murphy, Frank W.
 McCallum, Crease & Sloane.
 Newbold, John S.
 Newbold, Mrs. John S.
 Noblit, Dell
 Norris, Charles
 Orne, J. T. & E. B.
 Page, Joseph F.
 Patterson, Joseph
 Pepper, George S.
 Pepper, Lawrence S.
 Pepper, William, M. D.
 Phillips, Moro
 Platt, Charles
 Poultney, Charles W.
 Porter & Coates.
 Provident Trust Company.
 Randolph Evan
 Roberts, Jacob, M. D.
 Rogers, C. H.
 Rogers, W. D.
 Scott, James P.
 Scott, Mrs. James P.

Dick, F. A.
 Dis-ton, Albert H.
 Dis-ton, Hamilton
 Dobbins, R. J.
 Dobson, John & James
 Dolan, Thomas, & Co.
 Duhring, Mrs. Henry
 Eddystone Manufacturing Company.
 Fennimore, Edward L.
 Fuguet, Stephen O.
 Garrett, Miss E.
 Garrett, Miss J.
 Garrett, P. C.
 Garrett, Mrs. W.
 Gowen, Franklin B.
 Graff, Frederic
 Graff, Mrs. Frederic
 Green, Stephen
 Hagstoy & Thorpe
 Harrison, Thomas S.
 Hart, Samuel
 Heberton, G. Craig
 Hill, George W.
 Horstmann, W. H., & Sons.
 Houston, H. H.
 Houston, Mrs. H. H.
 Hunter, James & John
 Iungerich & Smith

Scull, D., Jr., & Bro.
 Seibert, Henry
 Sellers, Coleman
 Sharpless, Charles S.
 Shelton, F. R.
 Sherman, Roger
 Shortridge, N. Parker
 Smyth, Lindley
 Smith Thomas
 Solms, S. J.
 Sommerville, Maxwell
 Spencer, Charles
 Steel, E. T.
 Steel, E. T., & Co.
 Strawbridge J. C.
 Sweatman, V. C.
 Thomas, S. Harvey
 Tyler, George F.
 Vaux, William S.
 Volmer, G.
 Warner, Redwood F.
 Wheeler, Charles
 Williams, Edward H.
 Wood, William, & Co.
 Wright, Edward N.
 Wright, James A.
 Wright, John W.
 Wurtz, Charles Stuart

ANNUAL MEMBERS,

Who have paid ten dollars for 1879.

Allison, J. W.
 Allison, T. E.
 Allison, W. C.
 Baeder, C. B.
 Bailey, Banks, & Biddle.
 Baker, Alfred G.
 Banes, C. H.
 Bates, Joseph W.
 Bateman, James

Jones, Jacob P.
 Johnson, Lawrence
 Justice, Henry
 Justice, Theodore
 Keen, Charles B.
 Keen, William W., M. D.
 Laing, Henry M.
 Lennig, Charles
 Lewis, A. Nelson

- Batterson, Rev. H. G.
 Baugh, Edwin P.
 Baugh, John P.
 Bement, C. S.
 Biddle, Cadwalader
 Bines, S. M.
 Black, Wm. K.
 Blabon, G. W.
 Blynn, H.
 Bodine, F. L.
 Boulton, W. G.
 Bowen, Ezra
 Bower, Henry
 Brown, Alexander
 Browne, John C.
 Burnham, George
 Butcher, Henry C.
 Caldwell, J. E., & Co.
 Chapman, Joseph
 Claghorn, C. E.
 Clarke, Edward S.
 Clark, E. W.
 Clark, Miss Fannie
 Clarkson, Samuel
 Coates, Edward H.
 Collins, Frederick
 Comegys, B. B.
 Conover, David F.
 Corlies, S. Fisher
 Coxe, Alexander B.
 Coxe, Eckley B.
 Cramp, C. H.
 Cresswell, Samuel J.
 Cummins, D. B.
 Derbyshire, A. J.
 Dickson, Samuel
 Dougherty, James
 Downing, R. W.
 Dreka, Louis
 Earle, James M.
 Ellison, W. P.
 Felton, S. M.
 Galvin, T. P.
 Gillender & Sons
 Lewis, Edward
 Lewis, Enoch
 Lewis, Francis W., M. D.
 Lewis, John T.
 Lewis, Robert M.
 Long, James
 Lucas, John
 Mackellar, Thomas
 Magee, Horace
 Merrick, Mrs. S. V.
 Mitchell, J. E.
 Morris, Evan
 Morris, Miss E. T.
 Morris, Israel
 Morris, John T.
 Morris, P. Pemberton
 Morris, Wistar
 Muhr's, H., Sons.
 McGeorge, William
 Neall, Daniel
 Neall, Frank L.
 Newhall, George M.
 Norris, Isaac, Jr., M. D.
 Pabst, Daniel
 Price, J. Sergeant
 Queen, James W., & Co.
 Rehn, W. L.
 Rexsamer, George W.
 Rhoads, Joseph R.
 Ritchie, Craig D.
 Rollins, Edward A.
 Rosengarten, J. G.
 Rowland, Mrs. Benjamin
 Shipley, Samuel R.
 Shoemaker, B. H.
 Shoemaker, Robert, Jr.
 Smedley, Samuel L.
 Steel, William G.
 Stevenson, Miss A.
 Stokes, S. E., Jr.
 Stotesbury, Thomas P.
 Strawbridge, J. C.
 Thackara, Benjamin
 Townsend, H. C.

• Gutekunst, F.
Hamilton, W. C.
Hance Bro's & White
Hand, James C.
Hand, Thomas C.
Harding George
Hart, William R.
Hipple, Frank K.
Hodge, H. Lenox, M. D.
Hoopes, Edward
Howson, Henry
Jenks, William H.

Townsend, J. B.
Tyler, George F.
Wagner, Samuel
Watson, J. V.
Wheeler, Charles
Willcox, Mark
Willing, Charles
Wilson, Joseph M.
Winsor, Henry
Wyeth, John, & Brother
Zantzinger, Mrs. S. C.

